Hotkeys
OSD (On Screen Display)

User Manual

V2.0
2008.2.19

Contents

1. Hotkey 3
1.1 Sun and MAC Function Key Mapping 4
2. OSD (On Screen Display) 5
2.1 Login Window 6
2.2 Port Name 7
2.3 Main Menu 8
2.3.1 LANGUAGE 8
2.3.2 PORT NAME EDIT 9
2.3.3 PORT SEARCH 9
2.3.4 USER SECURITY 9
2.3.5 ACCESS LIST 10
2.3.6 HOTKEY 11
2.3.7 TIME SETTINGS 11
2.3.8 OSD MOUSE 11

Introduction

Once all cables are connected, power up the KVM switch and the connected computers, it is ready for use now. You can control the KVM switch by three ways – local control from the front panel, using the OSD (On-Screen Display), or using hot key commands through the Console keyboard. It takes approximately 1-2 seconds for the video signal to refresh after switching computers. Re-synchronization of the mouse and keyboard signals also occurs. This is normal operation and ensures that proper synchronization is established between the Console and the connected computers

1. Hotkey

You can conveniently command KVM switch through a simple hot key sequence. To send commands to KVM switch, you must **press the hotkey (**default **Caps Lock) twice within 2 seconds**. You will hear a beep sound confirming entering Hotkey mode. If you do not press any key during Hotkey mode over 2 seconds the Hotkey mode will be escaped and back to Normal state. The default hotkey is **Caps Lock** but you can change hotkey as your application convenience. If you prefer to use other hotkey, please go to OSD menu and change the default hotkey to the other. The table blow lists all supported hotkey commands.

The default hotkey starts from “Caps Lock”+**“**Caps Lock”, then the keys on the table list.

Command	Function
Space bar	Brings up the OSD overlay screen
↑	Switches to the previous port
↓	Switches to following port
[1,2,..,8] bank, [01, 02,..,32] port	■ The first digit is the Switch bank number, starting with “1”. The KVM switch on the daisy chain line is on bank 1 (the Master). A standalone KVM switch is also on bank 1. ■ The second & third digits are port numbers starting with “01”
Pg. Up	Switches to the previous bank
Pg. Dn	Switches to next bank
B	Turns the **beep sound** on/off
R	For SUPERVISORS that will set the OSD back to the factory default value (except the User Security settings).
S	For SUPERVISORS that activates the **Auto-Scan** function
U	For SUPERVISORS that turns the Security function on/off. **(**Default is off).
P	Log out, that’s only valid when the security is on.

1.1 Sun and MAC Function Key Mapping

SUN Function Key

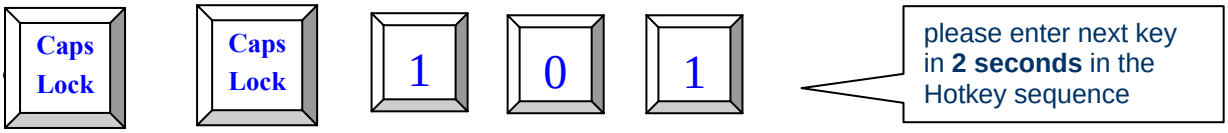
Sun-micro keyboard	Windows PS/2 keyboard
Stop	**Caps Lock** & L_Alt
Again	**Caps Lock** & F4
Props	**Caps Lock** & L_Ctrl
Undo	**Caps Lock** & F5
Front	**Caps Lock** & F1
Copy	**Caps Lock** & F6
Open	**Caps Lock** & F2
Paste	**Caps Lock** & F7
Find	**Caps Lock** & F3
Cut	**Caps Lock** & F8
Mute	**Caps Lock** & 1
Volume down	**Caps Lock** & 2
Volume up	**Caps Lock** & 3
Power	**Caps Lock** & F12
Help	**Caps Lock** & F11
Compose	**Caps Lock** & L_Shift (Application)
Sun OS	Windows key

MAC Function Key

MAC OS	Windows PS/2 keyboard
Shift	**Shift**
Ctrl	**Ctrl**
⌘	Windows key
L Alt/Option	**Alt**
F13	**PrtSc** (Print Screen)
F14	**ScrLk** (Scroll Lock)
Return	**Enter**
Delete	**Backspace**
F15	**Pause/Break**

Example #1 – To bring up the OSD overlay window, press **"Caps Lock", "Caps Lock", and the "Space Bar"**. Immediately, the OSD overlay screen will appear. The superimposed menu screen is generated by the KVM switch, and does not affect your computers or software function in any way.

Example #2 – To switch to Bank 1 Port1, press **"Caps Lock", "Caps Lock", and "1", "0", "1".**



Actually there are two methods to bring up the OSD overlay window.

1. **Activate OSD by press Hotkey ---** press Hotkey twice then press Space bar.
2. **Activate OSD by Mouse ---**
   Press and hold the **left button** of the mouse and hit the **Esc** key to show the **Status** screen.
   Press and hold the **right button** of the mouse and hit the **Esc** key to bring up the Main Menu.

2. OSD (On Screen Display)

OSD Menu provides a menu-driven interface to control the KVM switch.

This OSD Menu has four types of display screens:

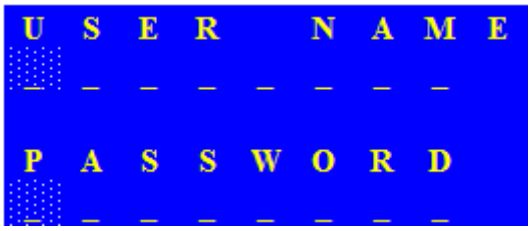
1. **Login Window** --- When powering on this KVM switch, it will prompt a login window and ask for user name and password. This KVM system can setup one **SUPERVISOR** and eight **USERs**. SUPERVISOR can access to all OSD functions. USER can access to PORT NAME and PORT SEARCH only.
2. **Status screen ---** after the log in the Status screen will show up to display the current port settings and Hotkey type.
3. **Port Name ---** this menu displays port status, and you can switch to other port right here.
4. **Main Menu** --- there are eight menus to operate. They are listed as below:

MAIN MENU	Function
01 LANGUAGE	OSD language selection
02 PORT NAME EDIT	PORT NAME modification
03 PORT SEARCH	Quick searching by port name
04 USER SECURITY	Change password
05 ACCESS LIST	Define user access authority
06 HOTKEY	Change Hotkey
07 TIME SETTINGS	Modify auto-SCAN time interval
08 OSD MOUSE	Modify OSD MOUSE speed

2.1 Login Window

Power on the local console monitor, and power on the KVM Switch by plug in the power adapter. If the Security function is enabled (default is disabled), the Login window will show up waiting for user name and password.

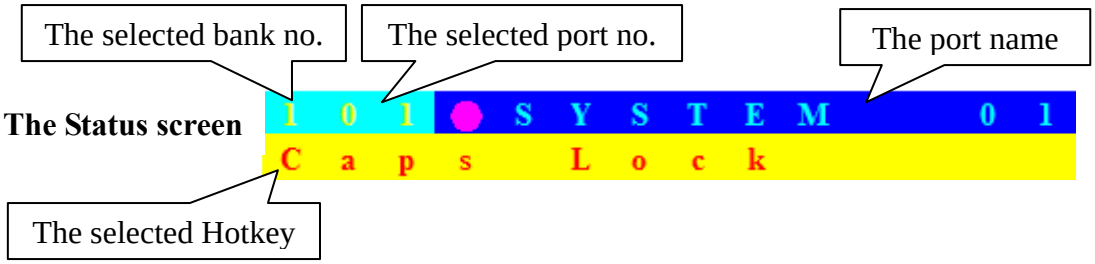
The Login window



The default is SUPERVISOR and default user name is eight zeros “00000000”.
The default password is eight zeros “00000000”.
There are case-insensitive, while OSD display fixed in upper case.

After login or port switch by panel button, OSD or Hotkey, the **Status** screen will show up to display the information of current settings -- one digit BANK NUMBER, two-digit PORT NUMBER, PORT NAME, and current Hotkey settings. Pressing any key or moving mouse will let the Status screen disappeared.

The Status screen

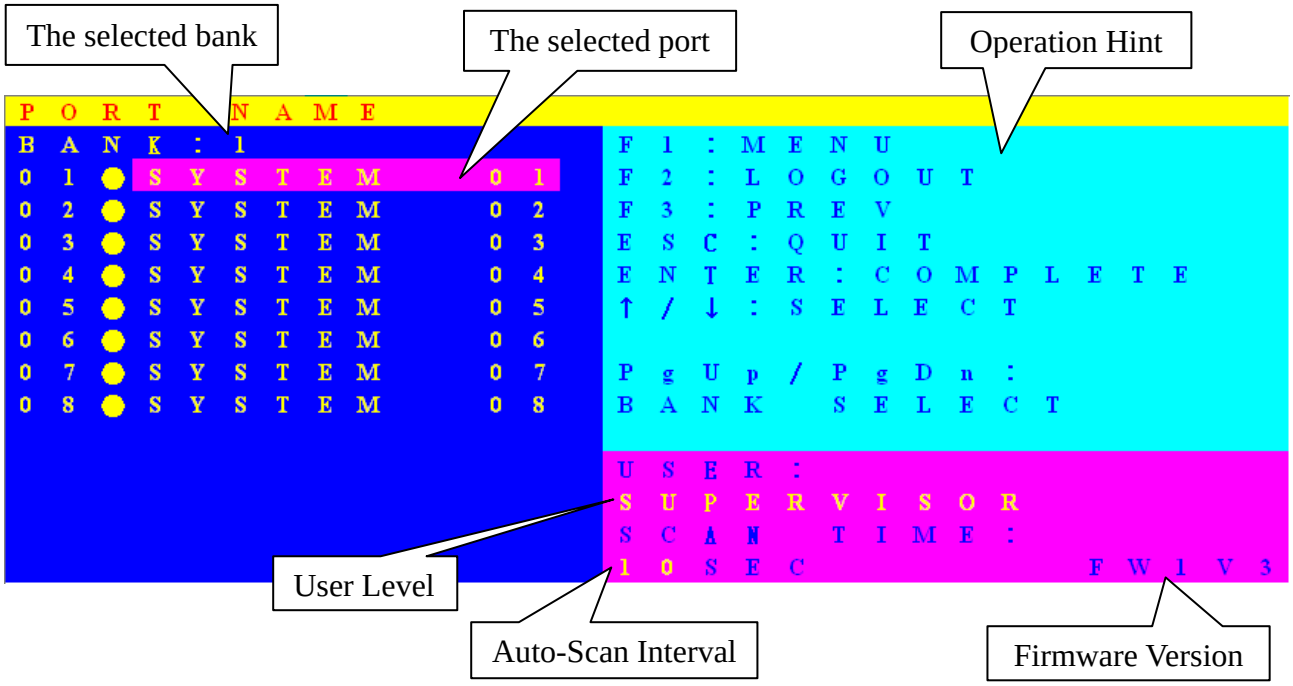


Auto-LOGOUT function

- In Login window, if no input for username and password over 1 minute, the screen will disappear. Hit any key to bring up the Login window again.
- At normal operation, if no input from the console keyboard or mouse over 10 minutes the KVM switch will turn off the screen display and show up Login window asking for user name and password. One more minute of keyboard/mouse inactivity, the monitor will be turned off (notice the monitor LED turns from green color to orange color).

2.2 Port Name

The first page shows the current port name and the selected port, and the operation hint.



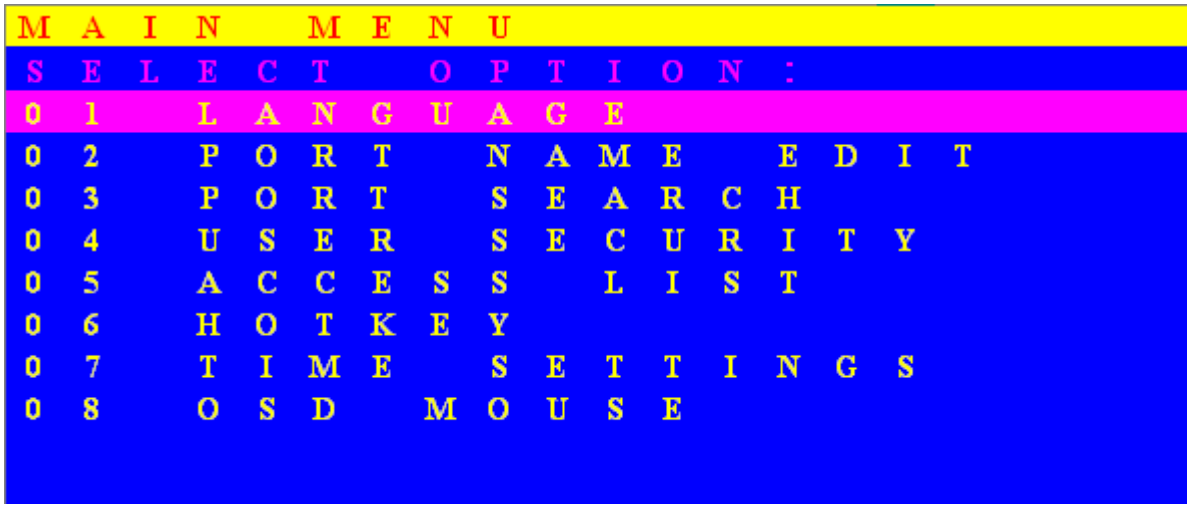
OSD Function Key	Description
F1	Go to the Main Menu
F2	To log out the OSD. If Security is enabled it will show up the Login window waiting for username and password. If Security is disabled it will show up the Status window
F3	Previous Menu
Enter	Switch to the selected port
↑ / ↓	Select the port (press Enter to switch)
PgUp	Previous Bank
PgDn	Next Bank
Esc	Exit
1	Show ports 01 ~ 08
2	Show ports 09 ~ 16
3	Show ports 17 ~ 24
4	Show ports 25 ~ 32

- **USER** --- There are two types of user levels: **SUPERVISOR** and **USER**. The default is **SUPERVISOR. SUPERVISOR** can setup and change the OSD settings at Main Menu. **USER** can only do the port switch and port search.

- **SCAN TIME** --- This is the time interval for auto-scan function. When auto-scan function is activated, the KVM switch will auto-scan the host port one by one in the interval as setting. Notice that the port without connecting to a computer/server will be skipped over on the scan.
- The numeric keypad is not supported, while in OSD screen, the arrow keys, PgUp, PgDn, and Enter keys are supported.

2.3 Main Menu

There are eight menus to choose from.

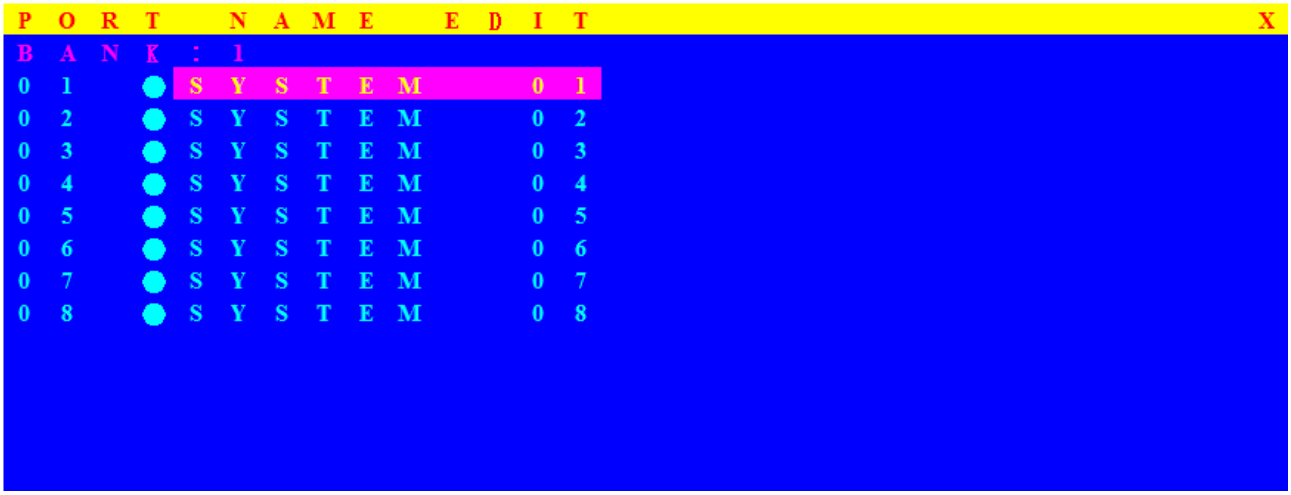


2.3.1 LANGUAGE

The OSD supports eight languages: English, French, German, Italian, Spanish, Simplified Chinese, Japanese, and Russian.

The default language is **ENGLISH**. Moving the cursor by keyboard (Up Arrow key "⬆"or the Down Arrow key "⬇") or mouse to select the language you like.

2.3.2 PORT NAME EDIT



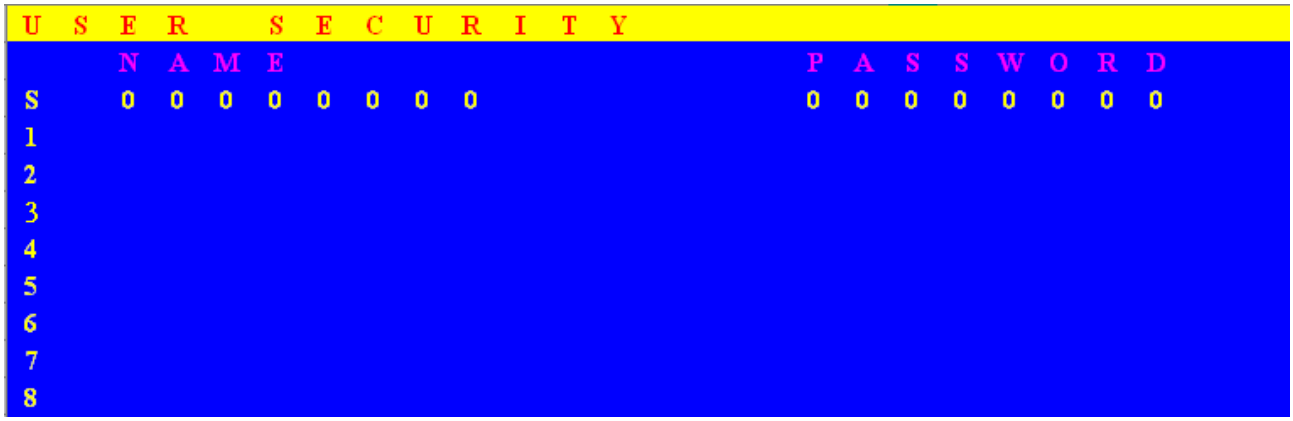
The first line bar is Bank number, following lines are port name list.
Use keyboard (Up Arrow key "⬆", Down Arrow key "⬇") or mouse to select the port. After select the port, you can either press the **Enter** Key, or move the cursor to port name and double click **left button** of mouse to switch the port immediately. Press **PgUp** key or **PgDn** key for selecting the previous or next Bank.
Press **Enter** key for editing port name. Press **Esc** key to cancel the editing without any change or press **Enter** key to complete the editing.

2.3.3 PORT SEARCH

Search the computer by port name. Enter "*" will show the all the port names.

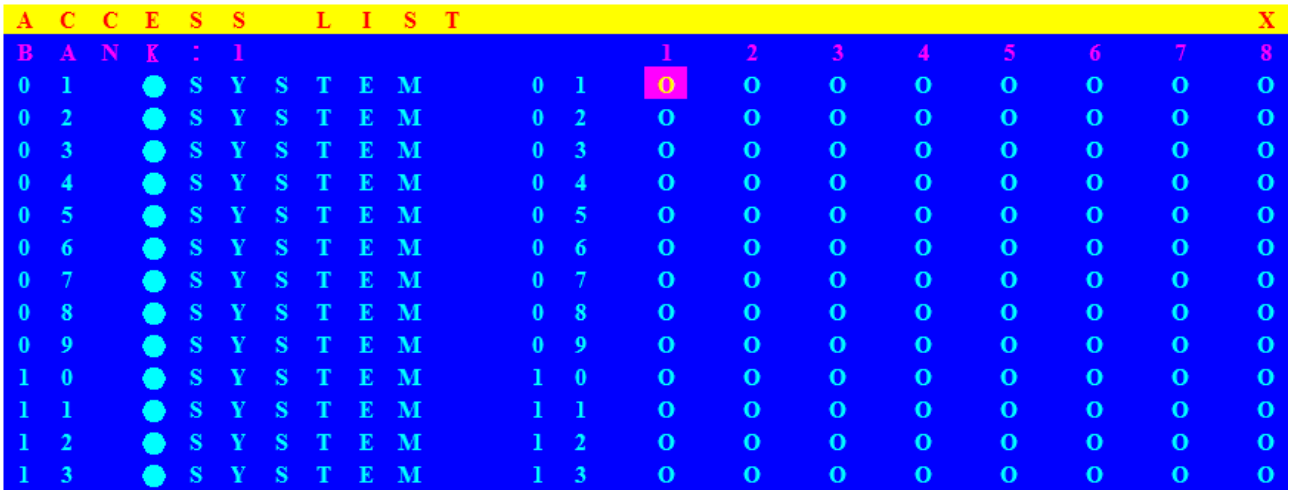
2.3.4 USER SECURITY

There are two types of user levels: **SUPERVISOR** and **USER**. There is one SUPERVISOR and up to eight USERs can be configured.



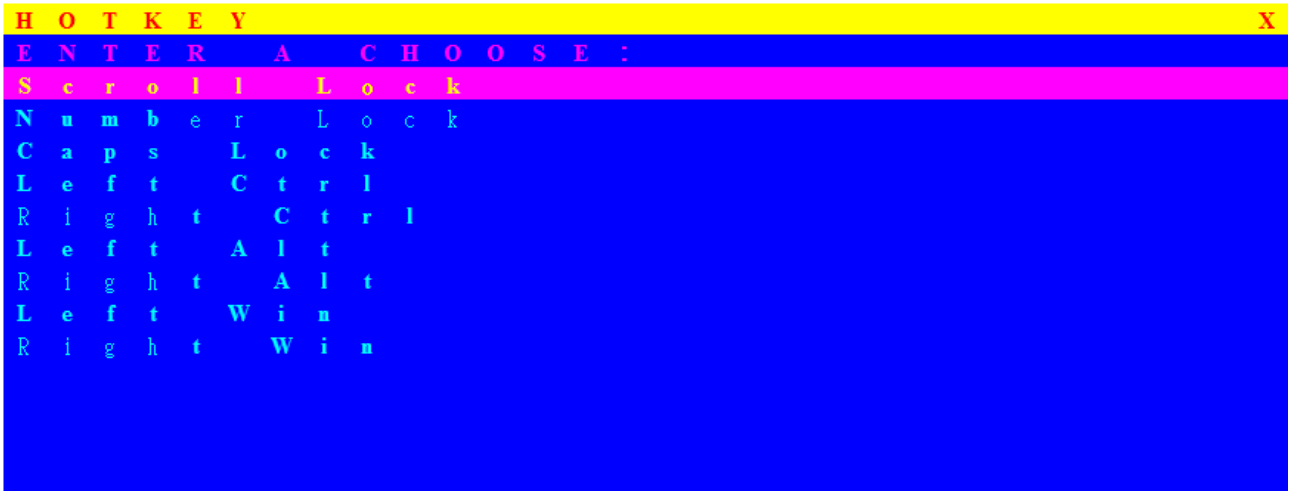
Press the **Enter** key or right button of mouse for editing. The left-top “S” means SUPERVISOR, and “1”, “2”, “3”,…., “8” mean USERs. The maximum length of NAME and PASSWORD is eight characters (A~Z and 0~9).

2.3.5 ACCESS LIST


ACCESS LIST
X
BANK: 1
1 2 3 4 5 6 7 8
01 SYSTEM 01 O O O O O O O O
02 SYSTEM 02 O O O O O O O O
03 SYSTEM 03 O O O O O O O O
04 SYSTEM 04 O O O O O O O O
05 SYSTEM 05 O O O O O O O O
06 SYSTEM 06 O O O O O O O O
07 SYSTEM 07 O O O O O O O O
08 SYSTEM 08 O O O O O O O O
09 SYSTEM 09 O O O O O O O O
10 SYSTEM 10 O O O O O O O O
11 SYSTEM 11 O O O O O O O O
12 SYSTEM 12 O O O O O O O O
13 SYSTEM 13 O O O O O O O O

Only SUPERVISOR can configure the ACCESS LIST. The first column is the port number, following the server/computer name list. The last 8 columns are the access right of each user. Use the **Enter** key or left button of mouse to active/deactivate the access right of each port. “**X**” means to disable access and “**O**” means to enable access.

2.3.6 HOTKEY



Some keyboard may not equip with all the special keys. Make sure the key you select is available in you keyboard.

2.3.7 TIME SETTINGS

When the Auto-Scan function is activated, the KVM switch will auto-scan the host ports one by one in the interval as setting. Notice that the port without connecting to a computer/server will be skipped over on the scan. The interval range is 5 ~ 99 seconds, and the default interval is 10 seconds. Press “**Enter**” key to save the SCAN TIME setting.

2.3.8 OSD MOUSE

You can change the moving speed of mouse cursor in this item. There are three levels to choose from. The fastest moving speed is “FAST”, the second is “MIDDLE” and the slowest is “SLOW”. Using "⬆" and "⬇" key on keyboard to move highlight bar to the wished speed. Press the **Enter** key to go into effect.

OSD MOUSE
X
SELECT A POINTER SPEED:
FAST
MIDDLE
SLOW